

**WEST**

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File: JPAB

Jan 25, 1994

PUB-NO: JP406014859A  
DOCUMENT-IDENTIFIER: JP 06014859 A  
TITLE: ARTICLE FOR CLEANING

PUBN-DATE: January 25, 1994

## INVENTOR-INFORMATION:

NAME

COUNTRY

IKOMA, KIYOKO

SHIZUNO, AKIHITO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

KAO CORP

APPL-NO: JP04173543

APPL-DATE: June 30, 1992

US-CL-CURRENT: 15/208

INT-CL (IPC): A47L 13/16

## ABSTRACT:

PURPOSE: To surely capture dust over a wide range by partially joining and integrating a fabric base consisting of a non-woven fabric to a base plate sheet and imparting many rugged shapes on the wiping surface of the fabric base, thereby bulking the surface.

CONSTITUTION: The sheet 10A for cleaning is constituted by integrating the non-woven fabric-like fabric base 12 formed of the entanglement of fibers by partial joining to one surface of the base sheet 11. The joint parts of the fabric base 12 form rugged parts 12B and the non-joined parts thereof form projecting parts 12A, thus constituting the cleaning surface sheet 10A having the rugged shapes on the surface as a whole. The constituting fibers of the base fabric 12 contains thermally fusible fibers. Further, the sheet 10A for cleaning is laminated with a non-woven fabric net 16 integrated by the entanglement of the fibers having the interfiber distances larger than the interfiber distances of the fabric basic 12 on the outer side of the fabric base 12. A sheet consisting of a composite blank material formed by using synthetic resins is used as the base sheet 11. The fibers contg. components having a m.p. lower by &ge;10°C than the m.p. of other constituting fibers of the fabric base 12 are used as the thermally fusible fibers incorporated into the fabric base 12.

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## WEST Search History

DATE: Monday, September 23, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L16	05056902	3	L16
L15	10127547	2	L15
L14	05025763	3	L14
L13	06014859	3	L13
L12	696432	12	L12
L11	l8 and (fiber same polyester)	16	L11
L10	5525397.pn.	2	L10
L9	L8l8 and (fiber same polyester)	0	L9
L8	(cleaning sheet) same hydroentangl\$3	17	L8
L7	l6 and (scrim or mesh or net or netting)	10	L7
L6	L5 and (additive)	23	L6
L5	L4 and (fiber same polyester)	64	L5
L4	l1 same hydroentangl\$3	101	L4
L3	L2 and (fiber same polyester)	263	L3
L2	l1 and hydroentangl\$3	391	L2
L1	wipe or wiper	76128	L1

END OF SEARCH HISTORY